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Attorney Docket No.: N1280-00220(TSMC2003-1245)

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name; and

I verily believe that I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **RIPPLE REFRESH CIRCUIT AND METHOD FOR SEQUENTIALLY REFRESHING A SEMICONDUCTOR MEMORY SYSTEM**, the specification of which:

is attached hereto.

was filed on _____ as Application Serial No. _____
and was amended on _____. (If applicable.)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any Amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of any application on which priority is claimed:

<u>Country</u>	<u>Number</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
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N/A

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application listed below:

<u>Application</u>	<u>Filed</u>
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N/A

I hereby appoint the following attorneys, of the law firm DUANE MORRIS LLP, One Market Street, Spear Tower, Suite 2000, San Francisco, CA 94105-1104, to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith:

Gerry K. Kita	Registration No. 24,125
Arthur L. Plevy	Registration No. 24,277
L. Lawton Rogers, III	Registration No. 24,302
Lewis F. Gould, Jr.	Registration No. 25,057
William H. Murray	Registration No. 27,218
Stephan P. Gribok	Registration No. 29,643
Peter J. Cronk	Registration No. 32,021
Richard Redano	Registration No. 32,292
Robert E. Rosenthal	Registration No. 33,450
Richard A. Paikoff	Registration No. 34,892
Samuel W. Apicelli	Registration No. 36,427
Mark J. Marcelli	Registration No. 36,593
Steven E. Koffs	Registration No. 37,163
Paul A. Schwarz	Registration No. 37,577
Gary D. Colby	Registration No. 40,961
Carl A. Giordano	Registration No. 41,780
D. Joseph English	Registration No. 42,514
Edward J. Howard	Registration No. 42,670
Won Joon Kouh	Registration No. 42,763
Gary Maze	Registration No. 42,851
Howard Chen	Registration No. 44,615
Patrick D. McPherson	Registration No. 46,255
Mark C. Comtois	Registration No. 46,285
Melanie Goddard	Registration No. 46,732
Joseph A. Powers	Registration No. 47,006
Patrick C. Muldoon	Registration No. 47,343
Edward J. Lynch	Registration No. 24,422

Address all written correspondence to:

Howard Chen
DUANE MORRIS LLP
One Market Street, Spear Tower, Suite 2000
San Francisco, CA 94105-1104

and address all telephone calls to: Howard Chen (415) 371-2223

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Inventor No. 1:

Dated: Apr. 6, 2004

Hau-Tai Shieh
Hau-Tai Shieh

Residence: 14F-3, No. 25, Jianjhong 1st Rd., Hsinchu City 300,
Taiwan.

Citizenship: Republic of China